



(800) 846-9659

EQ SYSTEMS PUMP & MANIFOLD FLUID LEAKAGE

October 2021

Applicable to pumps #3195KS, 2542KS, 3218, 3195, 3043, 2390, 2532 and 2542. And manifold 4 function # 2723, 6 function # 2742 and 8 function # 2757

Addressing Fluid leakage from the joint/connection between the upper manifold and the lower assembly caused by missing or incorrectly installed o-rings, or the failure of the attachment studs and nuts. This may also allow fluid leakage up and around the attachment studs and nuts. This “issue” is corrected by removing the upper manifold from the lower assembly and replacing the o-rings (2) and then reattaching the manifold. The complete assembly is not to be replaced for this correction. Generally, this process is 1 hour or less.

There are two o-rings that seal the upper manifold to the lower ‘port plate’ of the lower assembly. These o-rings are to be installed into the counter bore of the fluid ports (see drawing). Note: the drawing shows only the manifold used for a four function (part # 2723) assembly the process is the same for 6 and 8 function manifolds.

O-Ring Replacement Process

In most applications, this can be performed without the removal of the complete assembly from the vehicle. The use of a drain pan and rags to catch fluid may be needed. Clean the area of the manifold and lower assembly prior to starting so that debris does not enter the hydraulic system.

1. Relieve the system high pressure by positioning the jacks and hydraulic slides (when present) such that they are not fully retracted nor supporting the weight of the vehicle.
2. Loosen and remove the nuts EQ #1900DD (generally there are two) that are present in the counterbores in the top of the manifold (see drawing). A ½ inch 6-point socket is used for this. If hose connections are made with 90-degree fittings it may be necessary to loosen and reposition or disconnect them.
3. After removing the nuts lift/remove the manifold from the lower assembly. If available or needed remove and replace the studs EQ #1988.
4. Remove o-rings from the lower assembly port plate, use a clean rag to wipe the surface of the lower assembly and manifold clean. Install new o-rings into the port counter bores assuring that they are fully seated in the groove. The use of grease is permitted to help hold them in place.

5. Reinstall the manifold down over the studs. Install the nuts EQ #1900DD. Alternately tighten to 18 LB-FT
6. If hose or fitting connections were loosened/removed reconnect/tighten.
7. Verify the fluid level in the reservoir add fluid if needed. Use Automatic transmission fluid, multipurpose or any of the Dexron/Mercon fluids.
8. Cycle the system extend and retract a couple of times to test and remove air from system.

Note On Needed Parts

EQ Systems has a kit #70355 that includes 2 o-rings, 2 studs and 2 nuts

Or parts may be acquired locally

O-ring 2 required. Industry standard #011N90. This is a Non inventory miss part.

Studs 2 if required 5/16-18 X 2 3/4 Grade 5 or 8. EQ Systems #1988.

Nuts 2 if required 5/16-18 hex head serrated flange. EQ Systems #1900DD.

